

PTO/SB/08A (10-01)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1 of 19

Complete if Known

Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner <i>BLT</i>
Attorney Docket Number	15270J-004761US

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>BLT</i>	305	09/724,842	11-28-2000	Chalifour et al.	
<i>BLT</i>	283	09/441,140	11-18-1999	Solomon et al.	
<i>BLT</i>	243	60/169,594	N/A	Chalifour et al.	
<i>BLT</i>	262	60/169,697	N/A	Chain	
<i>BLT</i>	295	60/184,504	N/A	Holtzman et al.	
<i>BLT</i>	299	60/186,295	N/A	Rasmussen et al.	
<i>BLT</i>	306	60/254,455	N/A	Holtzman et al.	
<i>BLT</i>	207	60/254,498	N/A	Holtzman et al.	
<i>BLT</i>	326	2002/0136718 A1	09-26-2002	Raso	
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<i>BLT</i>	300	2001/0018053 A1	08-30-2001	McMichael	
<i>BLT</i>	306	6,417,178 B1	07-09-2002	Klunk et al.	
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<i>BLT</i>	234	6,284,221 B1	09-04-2001	Schenk, et al.	
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<i>BLT</i>	221	5,989,566	11-23-1999	Cobb et al.	
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<i>BLT</i>	3	5,955,317	09-21-1999	Suzuki et al.	
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Examiner
Signature*Dale B. Schenk*Date
Considered

5/9/03

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 2 of 19

Complete If Known

Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner NOV 10 2003
Attorney Docket Number	15270J-004761US

14	5,750,349	05-12-1998	Suzuki et al.
197	5,744,368	04-28-1998	Goldgaber et al.
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Examiner Initials*	Cite No.*	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T*
		Country Code ³	Number ⁴	Kind Code ⁵ (If Known)				
CO	35	EP	911 038	A2	04-28-1999			
CO	36	EP	868 918	A2	10-07-1998			
CO	37	EP	863 211	A1	09-06-1998			
CO	38	EP	845 270	A1	08-03-1998			

Examiner Signature

S. Meier

Date Considered

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Sheet 3 of 19

Complete if Known

Application Number	09/724,652
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner <i>10/19/03</i>
Attorney Docket Number	15270J-004761US

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Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign
of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbol as indicated on the document
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 4 of 19

Complete If Known

Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon L. Turner <i>Nichols</i>
Attorney Docket Number	15270J-004761US

63	PCT	96/39176	A1	12-12-1996				
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67	PCT	95/11994	A1	05-04-1995				
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205	PCT	93/04194	A1	03-04-1993				
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81	PCT	91/19810	A1	12-26-1991				
82	PCT	91/16819	A1	11-14-1991				
83	PCT	91/12818	A1	09-05-1991				
84	PCT	91/08760	A1	08-27-1991				
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92	GB	2 220 211	A	01-04-1990				
93	GB	2 335 182	A	09-15-1999				

Examiner Signature	<i>G. Miller</i>	Date Considered	5/19/03
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INFORMATION DISCLOSURE
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Sheet

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of 19

Complete If Known

Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner- <i>NICHOLS</i>
Attorney Docket Number	15270J-004761US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>ASW</i>	94	ANDERSEN et al., "Do nonsteroidal anti-inflammatory drugs decrease the risk for Alzheimer's disease?" <i>Neurology</i> , 48:1441-1445 (1995). <input type="checkbox"/>
	95	Associated Press, "Immune cells may promote Alzheimer's, a study finds," <i>The Boston Globe</i> (4/13/95). <input type="checkbox"/>
	176	BARD et al., "Peripherally administered antibodies against amyloid β -peptide enter the central nervous system and reduce pathology in a mouse model of Alzheimer disease," <i>Nature Medicine</i> , 6(8):916-919 (2000). <input type="checkbox"/>
	228	BARROW, et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra" <i>J. Mol. Biol.</i> , 225(4): 1075-1093 (1992). <input type="checkbox"/>
	96	BAUER et al., "Interleukin-6 and α -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <i>FEBS Letters</i> , 285(1):111-114 (1991). <input type="checkbox"/>
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	97	BLASS, John P., "Immunologic Treatment of Alzheimer's Disease," <i>New England J. Medicine</i> , 341(22):1694 (1999). <input type="checkbox"/>
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<i>ASW</i>	99	BORCHELT et al., "Accelerated Amyloid Deposition in the Brains of Transgenic Mice Coexpressing Mutant Presenilin 1 and Amyloid Precursor Proteins," <i>Neuron</i> , 19: 939-945 (1997). <input type="checkbox"/>
<i>ASW</i>	100	BORIS-LAWRIE et al., "Recent advances in retrovirus vector technology," <i>Cut. Opin. Genet. Develop.</i> , 3: 102-109 (1993). <input type="checkbox"/>

Examiner
Signature*G. Miller*Date
Considered

5/9/03

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STATEMENT BY APPLICANT

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Sheet 6 of 19

Complete if Known

Application Number	09/724,582
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner NICHOLS
Attorney Docket Number	15270J-004761US

CDW	101	BRICE et al., "Absence of the amyloid precursor protein gene mutation (APP717 : Val>Ile) in 85 cases of early onset Alzheimer's disease," <i>J. Neurology, Neurosurg, Psychiatry</i> , 56:112-115 (1993).	✓
✓	327	CAMERON, "Recent Advances in Transgenic Technology," <i>Molecular Biotechnology</i> , 7:253-265 (1997).	
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	224	Center for Biologics Evaluation and Research, U.S. Food and Drug Administration, Thimerosal in Vaccines (Mercury in Plasma-Derived Products), web site contents found at: http://www.fda.gov/cber/vaccine/thimerosal.htm , last updated May 16, 2002.	
✓	102	CHAO et al., "Transforming Growth Factor- β Protects human Neurons Against β -Amyloid-Induced Injury," <i>Soc. Neurosci. Abstracts</i> , 19:513-7 (1993).	□
✓	268	CHAPMAN, PAUL F., "Model behavior," <i>Nature</i> , 408:915-916 (2000).	
	222	Chemical Abstract database, Abstract of "Injection of Newborn Mice with Seven Chemical Adjuvants to Help Determine Their Safety in Use in Biologicals," Chemical Abstract database. (Publication date unknown.)	
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	213	CHEN et al. "An Antibody to β Amyloid Precursor Protein Inhibits Cell-substratum Adhesion in Many Mammalian Cell Types," <i>Neuroscience Letters</i> 125:223-226 (1991).	
	302	CHUNG et al. "Uptake, Degradation, and Release of Fibrillar and Soluble Forms of Alzheimer's Amyloid β -Peptide by Microglial Cells," <i>J. Biol. Chem.</i> , 274(45):32301-32308 (1999).	
	291	COLOMA et al., "Transport Across the Primate Blood-Brain Barrier of a Genetically Engineered Chimeric Monoclonal Antibody to the Human Insulin Receptor," <i>Pharm. Res.</i> , 17:268-274 (2000).	
	286	CORDELL, B., " β -Amyloid formation as a potential therapeutic target for Alzheimer's disease," <i>Ann. Rev. Pharmacol. Toxicol.</i> , 34:69-89 (1994).	
✓	287	COSTA et al., "Immunoassay for transthyretin variants associated with amyloid neuropathy," <i>Scand. J. Immunol.</i> , 38:177-182 (1993).	
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Examiner
SignatureDate
Considered

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Sheet 7 of 19

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Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner <i>NICHOLS</i>
Attorney Docket Number	15270J-004761US

<i>CSN</i>	214	DEMATTOS et al., "Peripheral Anti A β Antibody Alters CNS And Plasma A β Clearance and Decreases Brain A β Burden In a Mouse Model of Alzheimer's Disease," <i>Proc. Natl. Acad. Sci. USA</i> , 101:1073/pnas.151261398 (2001).
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Sheet 8 of 19

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Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon L. Turner <i>NICHOLS</i>
Attorney Docket Number	15270J-004761US

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Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner NICHOLS
Attorney Docket Number	15270J-004761US

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Application Number	09/724,552
Filing Date	November 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner <i>NICHOLS</i>
Attorney Docket Number	15270J-004761US

<i>Q&D</i>	118	HAGA et al., "Synthetic Alzheimer amyloid β /A4 peptides enhance production of complement C3 component by cultured microglial cells," <i>Brain Research</i> , 601:88-94 (1993).
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Sheet 11 of 19

Complete If Known

Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner <i>NOIC/HOS</i>
Attorney Docket Number	15270J-004761US

<i>CS</i>	256	IKEDA, et al., "Immunogold labeling of cerebrovascular and neuritic plaque amyloid fibrils in Alzheimer's disease with an anti- β protein monoclonal antibody," <i>Lab. Invest.</i> , 57:448-449 (1987).
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Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner NICHOLS
Attorney Docket Number	15270J-004761US

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Art Unit	1647
Examiner Name	Sharen L. Turner <i>NICHOLS</i>
Attorney Docket Number	15270J-004761US

CDN	135	MCGEE et al., "The encapsulation of a model protein in poly (D, L-lactide-co-glycolide) microparticles of various sizes: an evaluation of process reproducibility," <i>J. Micro. Encap.</i> , 14(2): 197-210 (1997).
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CDN	260	NAKAMURA et al., "Histopathological studies on senile plaques and cerebral amyloid angiopathy in aged cynomolgus monkeys," <i>Exp. Anim.</i> , 43:711-718 (1995).
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Examiner Signature	<i>G. Miller</i>	Date Considered	5/9/03
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Sheet 14 of 19

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Application Number	09/724,652
Filing Date	November 26, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner <i>NICHOLS</i>
Attorney Docket Number	15270J-004761US

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Sheet 15 of 19

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Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1847
Examiner Name	Sharon L. Turner <i>NICHOLS</i>
Attorney Docket Number	15270J-004761US

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Sheet 18 of 19

Complete If Known

Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner <i>NICHOLS</i>
Attorney Docket Number	15270J-004761US

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Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner <i>NIC HOLB</i>
Attorney Docket Number	15270J-004761US

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Sheet 18 of 19

Complete If Known

Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharon L. Turner <i>NICHOLS</i>
Attorney Docket Number	15270J-004761US

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Sheet 19 of 19

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Application Number	09/724,552
Filing Date	November 28, 2000
First Named Inventor	Dale B. Schenk
Art Unit	1647
Examiner Name	Sharen L. Turner <i>W/C/H/S</i>
Attorney Docket Number	15270J-004761US

<i>CR</i>	292	YAMAGUCHI et al., Diffuse plaques associated with astroglial amyloid β protein, possibly showing a disappearing stage of senile plaques." <i>Acta Neuropathol.</i> , 95:217-222 (1998).	
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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/724,552
(use as many sheets as necessary)		Filing Date	November 28, 2000
Sheet 3 of 3		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Sharon L. Turner <i>NIC</i>
		- Attorney Docket Number	
		15270J-004761US	

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Examiner Signature	<i>G. Miller</i>	Date Considered	<i>5/19/2003</i>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/724,552
(use as many sheets as necessary)		Filing Date	November 28, 2000
Sheet 1 of 3		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Sharon L. Turner NICHOLS
		Attorney Docket Number	15270J-004761US

U.S. PATENT DOCUMENTS					
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CSR	331	WO	99/06545	A2	11-02-1999	T ⁶

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/724,552
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Sheet 2 of 3		First Named Inventor	Dale B. Schenk
		Art Unit	1647
		Examiner Name	Sharon L. Turner <i>NOT CHOLS</i>
		Attorney Docket Number	15270J-004761US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
<i>CSJ</i>	332	CHEN, et al., "Neurodegenerative Alzheimer-like pathology in PDAPP 717V→F transgenic mice," <u>Progress in Brain Research</u> , Van Leeuwen et al. Eds, 117:327-337. (1998).	T 2
	333	CONWAY et al., "Acceleration of oligomerization, not fibrillization, is a shared property of both α -synuclein mutations linked to early-onset Parkinson's disease: Implications for pathogenesis and therapy," <u>PNAS</u> , 97(2):571-576 (2000)	
	334	JOBLING and HOLMES, "Analysis of structure and function of the B subunit of cholera toxin by the use of site-directed mutagenesis," <u>Molecular Microbiology</u> , 5(7):1755-1767 (1991).	
	335	MASLIAH et al., " β -Amyloid peptides enhance α -synuclein accumulation and neuronal deficits in a transgenic mouse model linking Alzheimer's disease and Parkinson's disease," <u>PNAS</u> , 98(21):12245-12250 (2001).	
	336	PERUTZ et al., "Amyloid fibers are water-filled nanotubes," <u>PNAS</u> , 99(8):5591-5595 (2002).	
<i>CSJ</i>	337	SKOLNICK and FETROW, "From genes to protein structure and function: novel applications of computational approaches in the genomic era," <u>Trends in Biotech.</u> , 18(1):34-39 (2000).	

Examiner Signature	<i>G. Miller</i>	Date Considered	5/19/2003
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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